

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 September 2004 (23.09.2004)

PCT

(10) International Publication Number
WO 2004/080542 A1

(51) International Patent Classification⁷: **A62C 37/08**

420-858 (KR). **HATTORI**, Tadashi [JP/JP]; Clover Heights Kinwada Beureru 607, 242-5, Gakuhara-Cho, Osaka 596-0822 (JP).

(21) International Application Number:
PCT/KR2004/000492

(22) International Filing Date: 10 March 2004 (10.03.2004)

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(25) Filing Language: Korean

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(26) Publication Language: English

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(30) Priority Data:

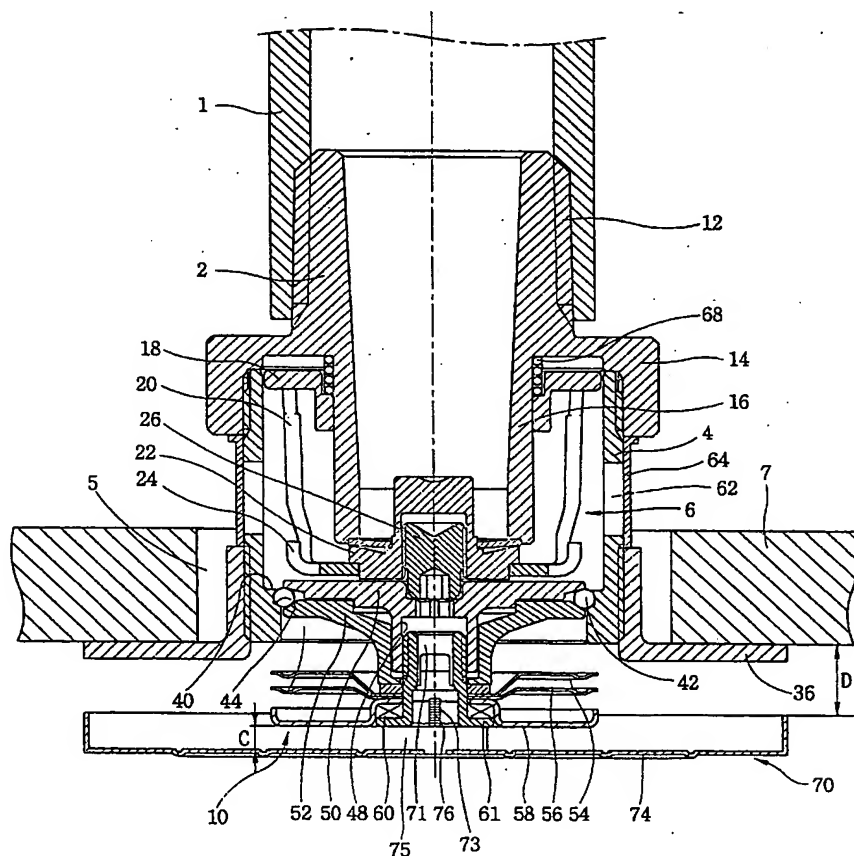
10-2003-0014696	10 March 2003 (10.03.2003)	KR
2003-337223	29 September 2003 (29.09.2003)	JP
10-2003-0071825	15 October 2003 (15.10.2003)	KR
10-2004-0015932	9 March 2004 (09.03.2004)	KR

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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[Continued on next page]

(54) Title: **SPRINKLER HEAD**



(57) Abstract: A sprinkler head comprises: a locking unit locked inside a second housing for maintaining a sealing state between a deflector and a first housing; a heat responding unit exposed to outside of a ceiling for releasing the locked state of the locking unit by reacting to fire when fire breaks out; and a head cover mounted at a lower side of the heat responding unit and transmitting heat to the heat responding unit after collecting heat at the time of a fire occurrence. According to this, a fine appearance of the sprinkler head is provided, and the head cover performs a heat collecting function at the time of a fire occurrence thus to have a fast reaction speed, thereby enhancing a function of the sprinkler head.

By Express Mail
No. EV608568448US



(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No. .
PCT/KR2004/000492

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 A62C 37/08

By Express Mail
No. EV608568448US

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 A62C 37/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Patents and application for since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
New Patents & Utility Search system (KIPO)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 08131575 A (NOHMI BOSAI LTD) 28 May 1996 See the whole document	1 - 19
A	US 6082463 A (THE RELIABLE AUTOMATIC SPRINKLER CO.) 04 July 2000 See the whole document	1 - 19
A	JP 11161852 A (HOCHIKI CORP) 19 July 2001 See the whole document	1 - 19
A	JP 07231949 A (SENJU SPRINKLER KK) 05 September 1995 See the whole document	1 - 19

☐ Further documents are listed in the continuation of Box C.


☐ See patent family annex.

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 "&" document member of the same patent family

Date of the actual completion of the international search
15 JULY 2004 (15.07.2004)

Date of mailing of the international search report
16 JULY 2004 (16.07.2004)

Name and mailing address of the ISA/KR
 Korean Intellectual Property Office
 920 Dunsan-dong, Seo-gu, Daejeon 302-701,
 Republic of Korea
 Facsimile No. 82-42-472-7140

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